



ESQUEMA DE ARMADURA LONGITUDINAL
ESCALA 1:25

CUADRO DE ARMADURAS

DOVELA	1 Y 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ARMADURA	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20
1	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20
2	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20
3	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10	#20 @ 0.10+#20 @ 0.10+#20 @ 0.10
4	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20	#16 @ 0.20
S1[m]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
S2[m]	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
T[m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTA:
- VER ESPECIFICACIONES TECNICAS DE MATERIALES EN HOJA N°2 DEL CAPITULO 1.

TABLA Longitud de desarrollo f_{td} (tracción) [mm]

f_y = 4200 kg/cm²

f _c (kg/cm ²)	10	12	14	16	18	20	22	25	28	32	36
210	300	300	350	400	500	600	700	800	1150	1500	1850
240	300	300	350	400	500	600	700	800	1100	1450	1800
280	300	300	350	400	450	500	600	800	1000	1300	1650
350	300	300	350	400	450	500	550	700	900	1150	1450
420	300	300	350	400	450	500	550	650	800	1050	1350
500	300	300	350	400	450	500	550	650	750	950	1200

TABLA Traslapes de refuerzo en tracción (tracción) [mm]

f_y = 4200 kg/cm²

f _c (kg/cm ²)	10	12	14	16	18	20	22	25	28	32	36
210	10	12	14	16	18	20	22	25	28	32	36
240	10	12	14	16	18	20	22	25	28	32	36
280	10	12	14	16	18	20	22	25	28	32	36
350	10	12	14	16	18	20	22	25	28	32	36
420	10	12	14	16	18	20	22	25	28	32	36
500	10	12	14	16	18	20	22	25	28	32	36

- Factores de modificación que incrementan l_d:
* Factor de ubicación del refuerzo
* Refuerzo horizontal ubicado de manera que 30 cm de concreto cubra al menos el 50% del refuerzo, 10p bar
* Otro refuerzo, Bottom bar

PUENTE GUAYASAMIN
ACCESO A QUITO DESDE LOS VALLES ORIENTALES Y CONSTRUCCION DEL PUENTE GUAYASAMIN

EMPRESA PUBLICA METROPOLITANA de Movilidad y Obras Públicas

PROYECTO: PUENTE GUAYASAMIN

ESCALA: 1:25

UBICACION: TABLERO ARMADURAS (I)

FECHA: NOVIEMBRE 2014

ARCHIVO DIGITAL: 06.07.01 - TABLERO ARM (I).dwg

DIBUJADO: FERNANDO ROMO CONSULTORES

CAJON: 1/28

